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PHOTOGRAPHIC INTELLIGENCE REPORT

MIAMI HERALD COPY
KIYEV AIRCRAFT ASSEMBLY PLANT NO 473

KIYEV, USSR

Declass Review by NIMA/DOD

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KIYEV AIRCRAFT ASSEMBLY PLANT NO 473 KIYEV, USSR

Kiyev Aircraft Assembly Plant No 473 is located approximately 15 nautical miles west of the Dnepr River in the northwest suburbs of Kiyev, USSR, at 50-27-40N 30-23-29E (Figure 1). The plant is adjacent to Kiyev/Svyatoshino Airfield which serves the plant as a test and flyaway field. The plant is both road and rail served, with approximately 3,500 linear feet of track and approximately 16,100 linear feet of hard-surfaced road, approximately 20 feet in width, within the plant boundaries. The fence/wall surrounding the plant area appears to be con-

structed of approximately 4,500 linear feet of masonry and 41,500 linear feet of wire. Figures 2 and 3 show the plant as it appeared in Figure 4 shows the plant and includes a layout drawing of plant facilities, with item numbers keyed to Table 1.

Kiyev Assembly Plant No 473 was constructed in 1918 and possibly was utilized as an aircraft plant from its beginning. as the Germans approached, the machinery of the plant was dismantled and evacuated to Novosibirsk, USSR. During World War II the plant suffered extensive damage, with estimates

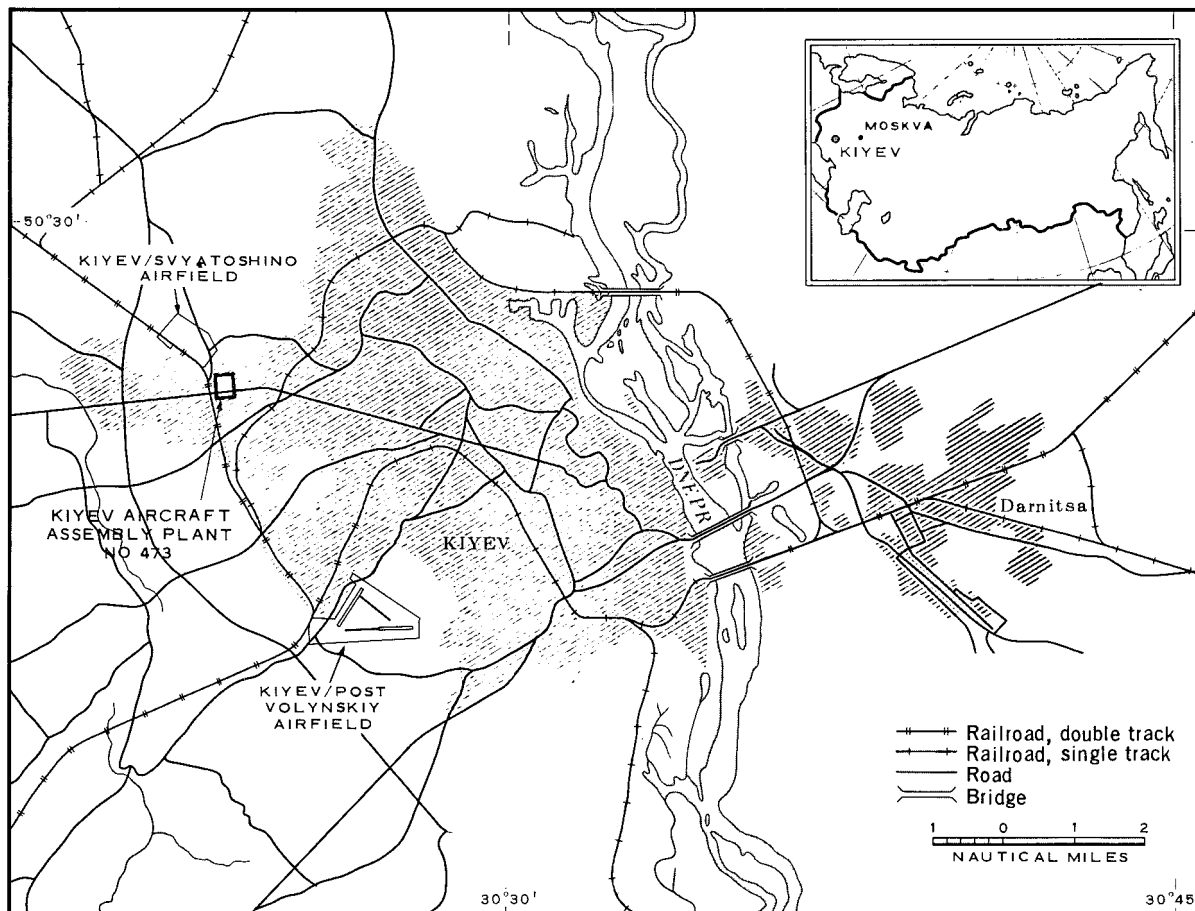


FIGURE 1. LOCATION MAP.

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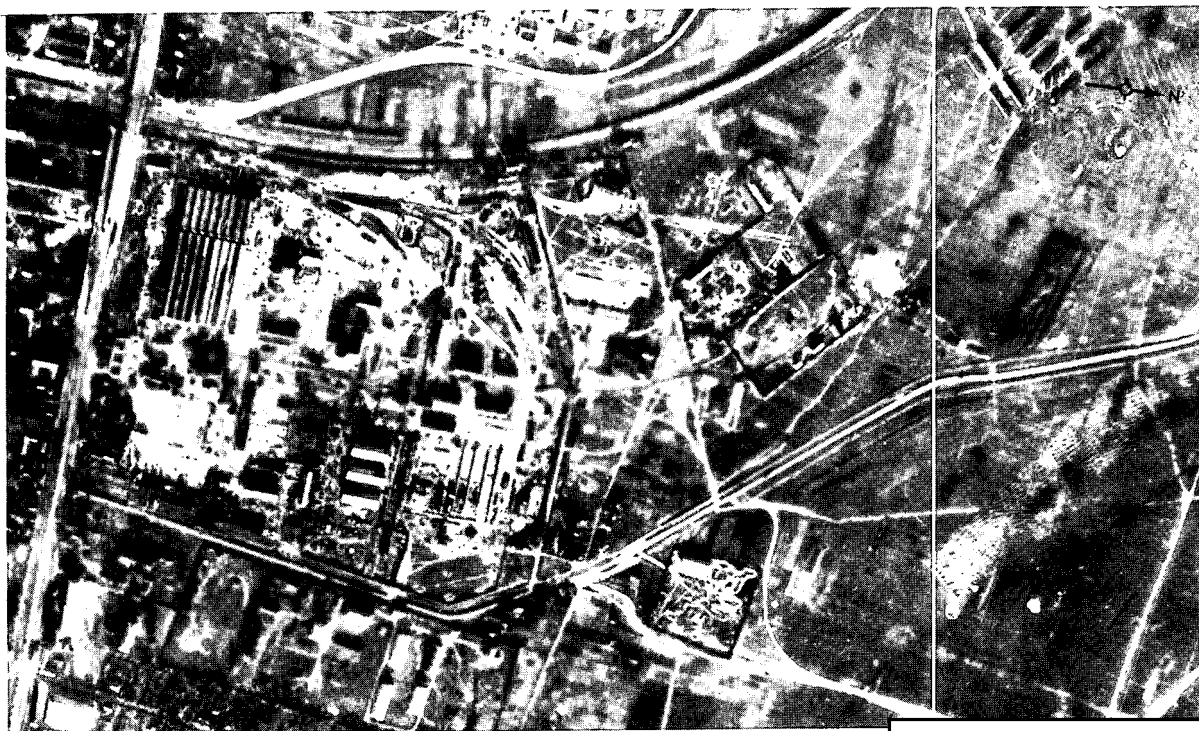


FIGURE 2. KIEV AIRCRAFT ASSEMBLY PLANT NO 473, KIEV, USSR

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FIGURE 3. KIEV AIRCRAFT ASSEMBLY PLANT NO 473,

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ranging from 70 percent to complete destruction. Reconstruction of the plant began []

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[] construction materials and machinery were shipped to the site of Plant No 473 from the dismantled German Arado Airframe Plant. Reconstruction of the facility as it formerly existed was probably completed by [] 2/ but new construction projects have continued [] (Figure 4).

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Analysis of [] World War II photography [] indicated a total roof area of

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approximately 310,000 square feet. The total floorspace of the plant as of 1945 was estimated to have been slightly less than 360,000 square

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feet; [] the total floorspace was enlarged to an estimated 890,000 square feet and an estimated 760,000 square feet of roof cover. 2/

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When observed on [] photography of

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[] the aircraft assembly plant contained approximately 1,383,500 square feet of floor-

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space, and analysis of [] photography revealed that the total floorspace had

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increased to approximately 2,007,500 square feet. Estimates made from [] photogra-

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phy of [] gave the total floorspace as approximately [] and the

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most recent estimate, made from photography

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[] revealed the total floorspace to be approximately [] (Figure 4).

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The fluctuation in the estimated floorspace figures [] reflects a difference

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in method of estimation. [] figures are based on floorspace estimates including

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the several stories of the various administration buildings; the [] figure is based on roof cover

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alone. The latest figures include an area on the northwest side of the plant which is considered to be a support area.

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[] Kiev Aircraft Assembly Plant No 473 has undergone a construction program of great proportions. Many of the buildings built before [] and destroyed or

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damaged during World War II were razed completely and supplanted with new and larger structures. [] at least 2 major buildings and 1 addition were constructed. The addition was to the south side of the workshop/machine shop (item 1); the 2 new buildings were the administration building (item 2) and the machine shop (item 5). The engineering/sub-assembly/final assembly building (item 10) appeared to have been completed by the spring [] The south portion of another large building, the final assembly/subassembly building (item 13), was under construction in early [] 2/

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Completed [] were 2 warehouses (item 19), a workshop/warehouse (item 15), the probable transshipment section of the machine shop (item 5), and the repair/maintenance building (item 21); under construction by this time were the probable assembly building (item 17), a small building to the north of the assembly building, and an addition to the warehouse complex (item 19).

Kiev/Svyatoshino Airfield serves the plant

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as a test and flyaway field. The airfield has a northwest/southeast concrete runway measuring approximately [] The runway was in an early stage of construction [] and appeared to be complete in [] The airfield is served by taxiways and parking aprons, apparently concrete, totaling

approximately 1,334,025 square feet; one of the taxiways connects with the plant. Approximately 249,750 square feet of improved surface area is located at the north end of the runway. Aircraft observed at the field on [] included 2 CAT/CUB and 10 COKE.

Table 1.. Description of Facilities at Kiyev Aircraft Assembly Plant No. 473
(Item numbers are Keyed to Figure 4)

ITEM	DESCRIPTION	DIMENSIONS (ft) (see note)			FLOORSPACE (sq ft)	CUBIC FEET
		L	W	H		
1	Workshop/machine shop					
2	Admin bldg					
3	Workshop/machine shop					
4	Workshop/machine shop					
5	Machine shop with prob transshipment section					
6	Workshop					
7	Foundry/steampant					
8	Forge/foundry					
9	Subassembly bldg/machine shop					
10	Engineering/subassembly/final assembly bldg					
11	Admin/engineering bldg					
12	Workshop					
13	Final assembly/subassembly bldg					
14	Transshipment bldg					
15	Workshop/warehouse					
16	Warehouse					
17	Probable assembly bldg, u/c					
18	Final checkout hangar					
19	Warehouses (2)					
20	Storage bldgs (4)					
21	Repair/maintenance bldg					
Total floorspace & cubic feet of numbered bldgs						
Total floorspace & cubic feet of other bldgs						
Total floorspace & cubic feet of plant						

NOTE--With the exception of those heights marked with an asterisk(*), all measurements were calculated by NPIC/TID; these measurements are accurate to within ± 5 ft or 5%, whichever is greater. Measurements were derived from []

*Height calculated by CIA IAD project analyst.

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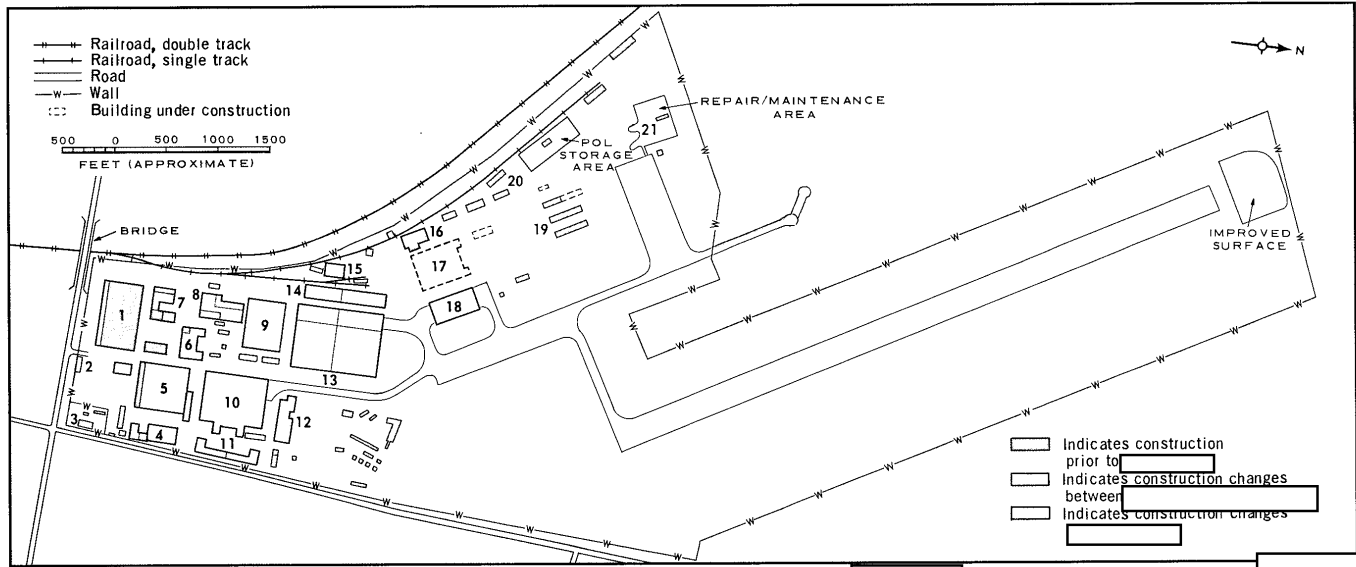
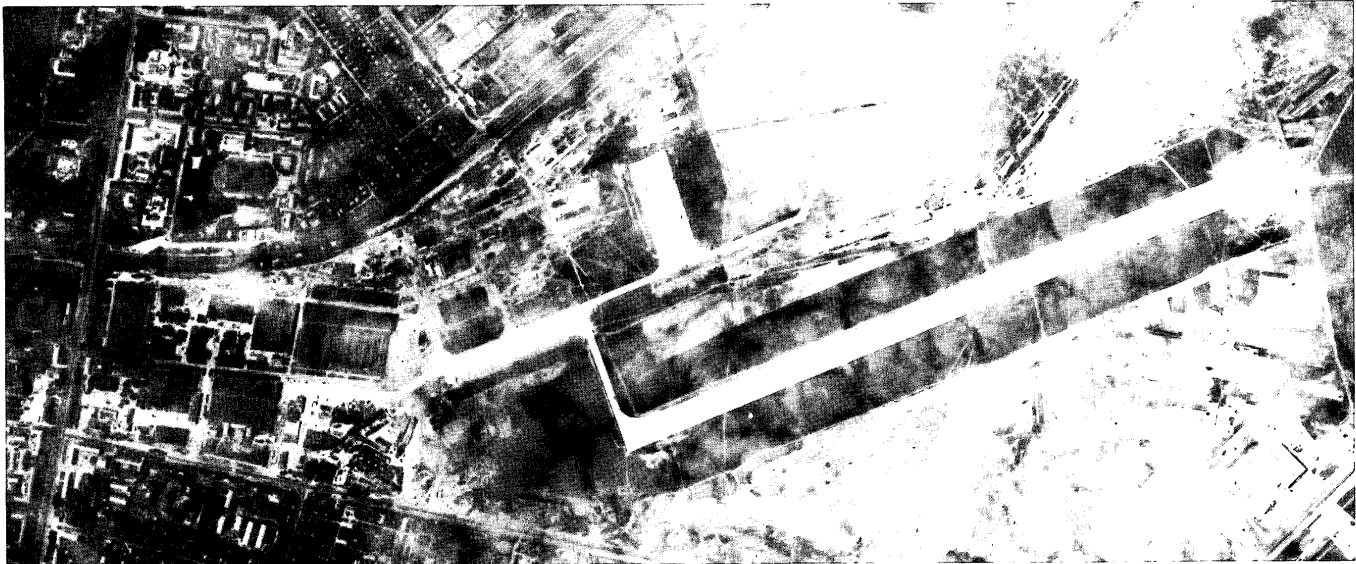


FIGURE 4. KIEV AIRCRAFT ASSEMBLY PLANT NO 473,

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REFERENCES

MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0233-SHL, 2d ed, May 62, scale 1:200,000 (SECRET)

DOCUMENTS

1. CIA. PIR-65034, [] *Kiyev Aircraft Assembly Plant No 473, Kiyev, USSR*, Sep 65 (TOP SECRET [])
2. CIA. RR RA-37, *Estimated Floorspace of Kiev Airframe Plant No 473*, Aug 58 (SECRET)

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REQUIREMENT

CIA. C-RR6-83,650

NPIC PROJECT

31260/66 (partial answer)

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